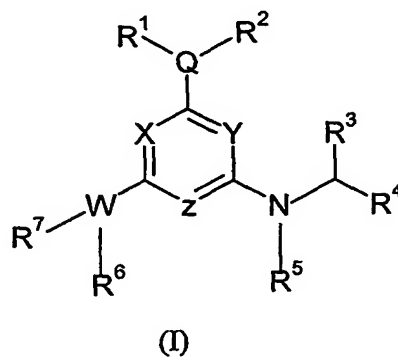


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Claims:

1. A compound of formula (I) or a pharmaceutically acceptable salt thereof:



wherein:

Q is C, CH or N;

W is N or S, when W is S, R⁶ is not present;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R¹ and R² are at each occurrence independently selected from H, CH₃, optionally substituted C₁₋₆alkyl, optionally substituted carbocycle, or optionally substituted heterocycle; or R¹ and R² in combination can form an optionally substituted heterocycle, or an optionally substituted carbocycle;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, optionally substituted C₁₋₆alkyl, -C(=O)OCH₃, optionally substituted carbocycle, -C(=O)NH(CH₂)heterocycle, or -C(=O)NH(CH₂)CH₃;

R⁵ is selected from H, or CH₃;

R⁶ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

2. A compound of claim 1, wherein:

Q is N.

3. A compound of claim 1, wherein:

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W is S, and R⁶ is not present.

4. A compound of claim 1, wherein:
X is C.

5

5. A compound of claim 1, wherein:
Y is N.

- 10 6. A compound of claim 1, wherein:
Z is N.

7. A compound of claim 1, wherein:
R¹ and R² are at each occurrence are independently selected from H, or optionally substituted carbocycle, or optionally substituted heterocycle.

15

8. A compound of claim 1, wherein:
R³ is an optionally substituted C₁₋₆alkyl.

- 20 9. A compound of claim 1, wherein:
R⁴ is -C(=O)NH(CH₂)heterocycle.

10. A compound of claim 1, wherein:
R⁵ is selected from H.

- 25 11. A compound of claim 1, wherein:
R⁷ is an optionally substituted carbocycle.

12. A compound of claim 1, wherein:
Q is N or C;

- 30 W is S, and R⁶ is not present;
X is C or N, provided that when Y and Z are C, X is N;
Y is C or N, provided that when X and Z are C, Y is N;
Z is C or N, provided that when X and Y are C, Z is N;

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R^1 and R^2 are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle or optionally substituted C_{1-6} alkyl;

R^3 is selected from H, or optionally substituted C_{1-6} alkyl;

5 R^4 is selected from H, $-C(=O)NH(CH_2)$ heterocycle or optionally substituted carbocycle;

R^5 is selected from H;

R^7 is selected from optionally substituted carbocycle.

10 13. A compound of claim 1, wherein:

Q is N or C;

W is S, and R^6 is not present;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

15 Z is C or N, provided that when X and Y are C, Z is N;

R^1 and R^2 are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle or optionally substituted C_{1-6} alkyl;

R^3 is selected from H, or optionally substituted C_{1-6} alkyl;

20 R^4 is selected from H, or $-C(=O)NH(CH_2)$ heterocycle;

R^5 is selected from H;

R^7 is selected from optionally substituted carbocycle.

14. A compound of claim 1, wherein:

25 Q is N or C;

W is S, and R^6 is not present;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

30 R^1 and R^2 are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

R^3 is selected from H, or optionally substituted C_{1-6} alkyl;

R^4 is selected from H, $-C(=O)NH(CH_2)$ heterocycle;

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R⁵ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

15. A compound of claim 1, wherein:

Q is N or C;

W is S, and R⁶ is not present;

X is C or N;

Y is N;

Z is N;

R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle;

R⁵ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

16. A compound of claim 1, wherein:

Q is N;

W is S, and R⁶ is not present;

X is C or N;

Y is N;

Z is N;

R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle;

R⁵ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

17. A compound of claim 1, wherein:

Q is N;

W is S, and R⁶ is not present;

X is C;

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Y is N;

Z is N;

R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

5 R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle;

R⁵ is selected from H;

R⁷ is selected from optionally substituted carbocycle.

10 18. A compound according to claim 1 selected from:

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(2-hydroxypropyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-morpholin-4-yl-1,3,5-triazin-2-yl}-L-leucinate;

(2R)-2-({4-[(3-fluorophenyl)amino]-6-[(3-methoxypropyl)amino]-1,3,5-triazin-2-yl}amino)-
15 4-methylpentan-1-ol;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxybenzyl)amino]-1,3,5-triazin-2-yl}-D-leucinate;

Methyl N-{4-[(cyclopropylmethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-D-leucinate;

20 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-methoxypropyl)amino]-1,3,5-triazin-2-yl}-D-leucinate;

(2R)-2-({4-[(cyclopropylmethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}amino)-4-methylpentan-1-ol;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(tetrahydrofuran-2-ylmethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

25 Methyl N-(4-[(3-fluorophenyl)amino]-6-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,5-triazin-2-yl)-L-leucinate;

Methyl N-{4-[(2-anilinoethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

30 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(2-hydroxy-2-phenylethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-(4-[(3-fluorophenyl)amino]-6-{[2-(4-methoxyphenyl)ethyl]amino}-1,3,5-triazin-2-yl)-L-leucinate;

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Methyl N-{4-[(2,3-dihydroxypropyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(3-hydroxypyrrolidin-1-yl)-1,3,5-triazin-2-yl]-L-leucinate;

5 Methyl N-{4-[(2-amino-2-oxoethyl)(methyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

(2R)-2-{4-[(3-fluorophenyl)amino]-6-{[2-(4-methoxyphenyl)ethyl]amino}-1,3,5-triazin-2-yl}amino]-4-methylpentan-1-ol;

Methyl N-{4-[(2-cyanoethyl)(methyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

10 Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-pyridin-4-ylpiperazin-1-yl)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-{4-(4-cyano-4-phenylpiperidin-1-yl)-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

15 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-hydroxy-2,2-dimethylpropyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-morpholin-4-ylpropyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(2-{4-(aminosulfonyl)phenyl}ethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

20 Methyl N-{4-[[2-(dimethylamino)ethyl]amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-(4-[(3-fluorophenyl)amino]-6-{[2-(2-hydroxyethoxy)ethyl]amino}-1,3,5-triazin-2-yl)-L-leucinate;

25 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-hydroxybutyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-(4-[(3-fluorophenyl)amino]-6-{[3-(2-oxopyrrolidin-1-yl)propyl]amino}-1,3,5-triazin-2-yl)-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-L-leucinate;

30 Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)-1,3,5-triazin-2-yl]-D-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)-1,3,5-triazin-2-yl]glycinate;

(2S)-2-{4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)-1,3,5-triazin-2-yl}amino}-4-methylpentan-1-ol;

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N²-Benzyl-N⁴-(3-fluorophenyl)-6-(4-methoxybenzyl)-1,3,5-triazine-2,4-diamine;

N²-{4-[(5-fluoro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;

N²-{4-[(5-fluoro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-propyl-L-leucinamide;

N²-{4-[(3-cyanophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;

N²-{4-[(5-Chloro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;

10 N²-{4-[(3,5-Difluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)pyrimidin-2-yl]-L-leucinate;

Methyl N-[2-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)pyrimidin-4-yl]-L-leucinate;

(S)-2-[4-(3-Fluoro-phenylamino)-6-(4-methoxy-phenylsulfanyl)-1-oxy-pyridin-2-ylamino]-4-

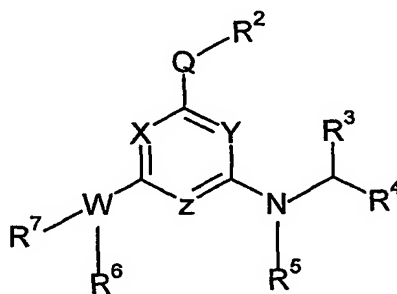
15 methyl-pentanoic acid methyl ester;

2-[6-(3-Fluoro-phenylamino)-2-(4-methoxy-phenylsulfanyl)-pyrimidin-4-ylamino]-4-methyl-pentanoic acid methyl ester;

(S)-2-[4-(3-Cyano-phenylamino)-6-(quinolin-8-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

20 (S)-2-[4-(4-Amino-phenylsulfanyl)-6-(3-cyano-phenylamino)-pyrimidin-2-ylmethyl]-4-methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

19. A compound of formula (II) or a pharmaceutically acceptable salt thereof:



(II)

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wherein:

Q is O, S, SO or SO₂;W is N or halogen, when W is halogen neither R⁶ nor R⁷ are present;

X is C or N, provided that when Y and Z are C, X is N;

5 Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is selected from H, optionally substituted C₁₋₆alkyl, optionally substituted carbocycle, or optionally substituted heterocycle;R³ is selected from H, or optionally substituted C₁₋₆alkyl;

10 R⁴ is selected from H, optionally substituted C₁₋₆alkyl, optionally substituted heterocycle, cyano, -C(=O)OCH₃, -C(=O)OCH₃, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂, C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH,

15 -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃SCH₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

R⁵ is selected from H, or CH₃;R⁴ and R⁵ in combination form an optionally substituted heterocycle;R⁶ is selected from H or CH₃;

20 R⁷ is selected from optionally substituted C₁₋₆alkyl, optionally substituted carbocycle, optionally substituted heterocycle, or -(CH₂)₁₋₃-optionally substituted carbocycle.

20. A compound of claim 19, wherein:

Q is S.

25

21. A compound of claim 19, wherein:

W is N.

22. A compound of claim 19, wherein:

30

X is N.

23. A compound of claim 19, wherein:

X is C.

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24. A compound of claim 19, wherein:
Y is N.

5 25. A compound of claim 19, wherein:
Y is C.

26. A compound of claim 19, wherein:
Z is N.

10

27. A compound of claim 19, wherein:
Z is C.

15 28. A compound of claim 19, wherein:
R² is optionally substituted carbocycle.

29. A compound of claim 19, wherein:
R³ is optionally substituted C₁₋₆alkyl.

20 30. A compound of claim 19, wherein:
R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle,
-C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, or -C(=O)NH(CH₂)₁₋₃SCH₃.

25 31. A compound of claim 19, wherein:
R⁵ is selected from H, or CH₃.

32. A compound of claim 19, wherein:
R⁶ is selected from H or CH₃.

30 33. A compound of claim 19, wherein:
R⁷ is optionally substituted carbocycle.

34. A compound of claim 19:

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wherein:

Q is S, SO or SO₂;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

5 Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is selected from H, optionally substituted carbocycle, or optionally substituted heterocycle;R³ is optionally substituted C₁₋₆alkyl;

10 R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂, C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋

15 ₃O(CH₂)₁₋₃OH, -, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

R⁵ is H;R⁴ and R⁵ in combination form an optionally substituted heterocycle;R⁶ is selected from H;

20 R⁷ is selected from, optionally substituted carbocycle, optionally substituted heterocycle, or -(CH₂)₁₋₃-optionally substituted carbocycle.

35. A compound of claim 19:

wherein:

25 Q is S;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

30 R² is selected from H, optionally substituted carbocycle, or optionally substituted heterocycle;

R³ is optionally substituted C₁₋₆alkyl;

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R^4 is selected from, $-C(=O)OCH_3$, $-C(=O)$ -optionally substituted heterocycle, $-C(=O)NH(CH_2)_{0-3}$ -optionally substituted heterocycle, $-C(=O)NH(CH_2)_{1-3}SCH_3$, optionally substituted heterocycle, cyano, $-C(=O)NH_2$, $-C(=O)NH$ -optionally substituted C_{1-6} alkyl, $-C(=O)NH(CH_2)_{0-3}$ -optionally substituted carbocycle, $-C(=O)NH(CH_2)_{1-3}N(CH_3)_2$,
 5 $C(=O)NH(CH_2)_{1-3}C(OCH_3)_2$, $C(=O)NH(CH_2)_{1-3}NHC(=O)OC(CH_3)_3$, $-C(=O)NH(CH_2)_{1-3}O(CH_2)_{1-3}OH$, -, $-C(=O)NH(CH_2)_{1-3}C(=O)OCH_3$, $-C(=O)NH(CH_2)_{1-3}OC(CH_3)_3$, or $C(=O)NH(CH_2)_{1-3}C(=O)OH$;

R^5 is H;

R^4 and R^5 in combination form an optionally substituted heterocycle;

10 R^6 is selected from H;

R^7 is selected from, optionally substituted carbocycle, optionally substituted heterocycle, or $-(CH_2)_{1-3}$ -optionally substituted carbocycle.

36. A compound of claim 19:

15 wherein:

Q is S;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

20 Z is C or N, provided that when X and Y are C, Z is N;

R^2 is selected from H, optionally substituted carbocycle;

R^3 is optionally substituted C_{1-6} alkyl;

R^4 is selected from, $-C(=O)OCH_3$, $-C(=O)$ -optionally substituted heterocycle, $-C(=O)NH(CH_2)_{0-3}$ -optionally substituted heterocycle, $-C(=O)NH(CH_2)_{1-3}SCH_3$,
 25 optionally substituted heterocycle, cyano, $-C(=O)NH_2$, $-C(=O)NH$ -optionally substituted C_{1-6} alkyl, $-C(=O)NH(CH_2)_{0-3}$ -optionally substituted carbocycle, $-C(=O)NH(CH_2)_{1-3}N(CH_3)_2$, $C(=O)NH(CH_2)_{1-3}C(OCH_3)_2$, $C(=O)NH(CH_2)_{1-3}NHC(=O)OC(CH_3)_3$, $-C(=O)NH(CH_2)_{1-3}O(CH_2)_{1-3}OH$, -, $-C(=O)NH(CH_2)_{1-3}C(=O)OCH_3$, $-C(=O)NH(CH_2)_{1-3}OC(CH_3)_3$, or $C(=O)NH(CH_2)_{1-3}C(=O)OH$;

30 R^5 is H;

R^6 is selected from H;

R^7 is selected from, optionally substituted carbocycle, optionally substituted heterocycle, or $-(CH_2)_{1-3}$ -optionally substituted carbocycle.

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37. A compound of claim 19:

wherein:

Q is S;

5 W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is an optionally substituted carbocycle;

10 R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂,
 15 C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

R⁵ is H;

R⁶ is selected from H;

20 R⁷ is optionally substituted carbocycle,.

38. A compound of claim 19:

wherein:

Q is S;

25 W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is an optionally substituted carbocycle;

30 R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃,

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optionally substituted heterocycle, $-C(=O)NH_2$, $-C(=O)NH(CH_2)_{0-3}$ -optionally substituted carbocycle;

R^5 is H;

R^6 is selected from H;

5 R^7 is optionally substituted carbocycle.

39. A compound of claim 19:

wherein:

Q is S;

10 W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R^2 is optionally substituted carbocycle;

15 R^3 is optionally substituted C_{1-6} alkyl;

R^4 is selected from, $-C(=O)OCH_3$, $-C(=O)$ -optionally substituted heterocycle, $-C(=O)NH(CH_2)_{0-3}$ -optionally substituted heterocycle, or $-C(=O)NH(CH_2)_{1-3}SCH_3$;

R^5 is selected from H;

R^6 is selected from H;

20 R^7 is optionally substituted carbocycle.

40. A compound according to claim 19 selected from:

Methyl N-{4-(4-methoxyphenoxy)-6-[(thien-2-ylmethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

25 Methyl N-[4-(4-methoxyphenoxy)-6-(2-pyridin-4-ylethyl)-1,3,5-triazin-2-yl]-L-leucinate;
Methyl N-[4-[(2,3-dihydroxypropyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-{4-(4-methoxyphenoxy)-6-[(tetrahydrofuran-2-ylmethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

30 Methyl N-[4-[(3-fluorobenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;
Methyl N-[4-[(2-methoxybenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

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Methyl N-[4-[(3,5-difluorobenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-[(3,5-dichlorobenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

5 Methyl N-[4-(benzylamino)-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-(butylamino)-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-(pentylamino)-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}glycinate;

10 (2R)-2-({4-[(5-Chloro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)-4-methylpentan-1-ol;

Methyl N-{4-[(5-chloro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;

15 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;

1-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}pyrrolidin-3-ol;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;

N²-(3-fluorophenyl)-N⁴-isopentyl-6-[(4-methoxyphenyl)thio]-1,3,5-triazine-2,4-diamine

20 (2S)-2-({4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)-4-methylpentan-1-ol;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-phenylalaninate;

2-({4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)propan-1-ol;

25 N²-(2,2-Dimethoxyethyl)-N⁴-(3-fluorophenyl)-6-[(4-methoxyphenyl)thio]-1,3,5-triazine-2,4-diamine;

Ethyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-b-alaninate;

30 3-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}(methyl)amino]propanenitrile;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-alaninate;

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Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-D-leucinate;

Methyl N-{4-[(2,3-dihydroxypropyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

5 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)(methyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;

10 (2R)-2-({4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)-4-methylpentan-1-ol;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(2-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(phenylthio)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(quinolin-2-ylthio)-1,3,5-triazin-2-yl]-L-leucinate;

15 Methyl N-{4-[(4-aminophenyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-bromophenyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(pyrimidin-2-ylthio)-1,3,5-triazin-2-yl]-L-leucinate;

20 Methyl N-{4-[[2-(dimethylamino)ethyl]thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-({1-[2-(dimethylamino)ethyl]-1H-tetrazol-5-yl}thio)-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

25 Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)sulfinyl]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)sulfonyl]-1,3,5-triazin-2-yl}-L-leucinate;

N¹-[2-(Dimethylamino)ethyl]-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;

30 N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-N¹-(2-morpholin-4-ylethyl)-L-leucinamide;

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- N^1 -{2-[(tert-Butoxycarbonyl)amino]ethyl}- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;
- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -(pyridin-3-ylmethyl)-L-leucinamide;
- 5 N^1 -(3,5-Difluorobenzyl)- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;
- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -(2-furylmethyl)-L-leucinamide;
- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -[3-(2-oxopyrrolidin-1-yl)propyl]-L-leucinamide;
- 10 N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -(3-methoxybenzyl)-L-leucinamide;
- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -(2-piperidin-1-ylethyl)-L-leucinamide;
- 15 N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -[2-(2-hydroxyethoxy)ethyl]-L-leucinamide;
- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -phenyl-L-leucinamide;
- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -propyl-L-leucinamide;
- 20 N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -(2-pyrrolidin-1-ylethyl)-L-leucinamide;
- N^2 -(3-fluorophenyl)-6-[(4-methoxyphenyl)thio]- N^4 -[(1S)-3-methyl-1-(morpholin-4-ylcarbonyl)butyl]-1,3,5-triazine-2,4-diamine;
- 25 N^1 -{2-[4-(aminosulfonyl)phenyl]ethyl}- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;
- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -[2-(1-methylpyrrolidin-2-yl)ethyl]-L-leucinamide;
- N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -(3-methoxypropyl)-L-leucinamide;
- 30 N^2 -{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}- N^1 -(pyridin-2-ylmethyl)-L-leucinamide;

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- Methyl N-{2-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-L-leucinate;
- Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-leucinate;
- 5 N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-leucine;
N-{4-[(3-fluorophenyl)(methyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-leucine;
N-{4-chloro-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N-methyl-leucine;
Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N-methylleucinate;
- 10 N²-[4-[(3-fluorophenyl)amino]-6-(quinolin-2-ylthio)pyrimidin-2-yl]-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(2-furylmethyl)-L-leucinamide;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-
- 15 (tetrahydrofuran-2-ylmethyl)-L-leucinamide;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-propyl-L-leucinamide;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(2-morpholin-4-ylethyl)-L-leucinamide;
- 20 N¹-(2,2-methoxyethyl)-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-leucinamide;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(2-pyridin-2-ylethyl)-L-leucinamide;
Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-
- 25 leucylglycinate;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-[3-(1H-imidazol-1-yl)propyl]-L-leucinamide;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(2-isopropoxyethyl)-L-leucinamide;
- 30 N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-[2-(methylthio)ethyl]-L-leucinamide;
N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-pentyl-L-leucinamide;

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N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-L-leucylglycine;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-[2-(1H-imidazol-5-yl)ethyl]-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-methoxy-N¹-methyl-L-leucinamide;

N²-{2-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-N¹-(2-morpholin-4-ylethyl)-L-leucinamide;

N²-{2-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;

N²-{2-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-N¹-propyl-L-leucinamide;

(S)-2-[4-(3-Cyano-phenylamino)-6-(thiazol-2-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

(S)-2-[4-(3-Cyano-phenylamino)-6-(pyridin-2-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

N²-{4-[(3-Methyl-propyl)thio]amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide
N²-{4-[(2-Pyridyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide

(S)-2-[4-(3-Cyano-phenylamino)-6-(4-methoxy-phenylsulfanyl)-pyrimidin-2-ylmethyl]-4-methyl-pentanoic acid (2-methylsulfanyl-ethyl)-amide;

N²-{2-[(3-Fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-4-yl}-N¹-1-morpholin-4-yl-L-leucinamide

2-[6-(3-Fluoro-phenylamino)-2-(4-methoxy-phenylsulfanyl)-pyrimidin-4-ylamino]-4-methyl-pentanoic acid methyl ester;

(S)-2-[6-(3-Fluoro-phenylamino)-4-(4-methoxy-phenylsulfanyl)-pyridin-2-ylamino]-4-methyl-pentanoic acid methyl ester;

N²-(3-Fluoro-phenyl)-6-(4-methoxy-phenylsulfanyl)-N⁴-(3-methyl-1-pyridin-2-yl-butyl)-pyrimidine-2,4-diamine;

N⁴-(3-Fluoro-phenyl)-6-(4-methoxy-phenylsulfanyl)-N²-(3-methyl-1-pyridin-2-yl-butyl)-pyrimidine-2,4-diamine;

(S)-2-[4-(3-Cyano-phenylamino)-6-(quinolin-8-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

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(S)-2-[4-(4-Amino-phenylsulfanyl)-6-(3-cyano-phenylamino)-pyrimidin-2-ylmethyl]-4-methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

(S)-2-[3-(3-Fluoro-phenylamino)-5-(4-methoxy-phenylsulfanyl)-phenylamino]-4-methyl-pentanoic acid methyl ester;

5 (S)-2-[2-(3-Fluoro-phenylamino)-6-(4-methoxy-phenylsulfanyl)-pyridin-4-ylamino]-4-methyl-pentanoic acid methyl ester;

(S)-2-[6-(3-Fluoro-phenylamino)-4-(4-methoxy-phenylsulfanyl)-1-oxy-pyridin-2-ylamino]-4-methyl-pentanoic acid methyl ester;

10 (S)-2-[4-(3-Fluoro-phenylamino)-6-(4-methoxy-phenylsulfanyl)-pyridin-2-ylamino]-4-methyl-pentanoic acid methyl ester.

41. A compound according to any one of claims 1-40, for use as a medicament.

42. The use of a compound according to any one of claims 1-40 in the manufacture of a
15 medicament for the treatment or prophylaxis of disorders associated with β -amyloid production.

43. The use of a compound according to any one of claims 1-40 in the manufacture of a
20 medicament for the treatment or prophylaxis of Alzheimer's disease or Down's syndrome.

44. A method for the treatment of neurological disorders associated with β -amyloid production comprising administering to a warm-blooded animal in need of such treatment a therapeutically effective amount of a compound according to any one of claims 1-40.

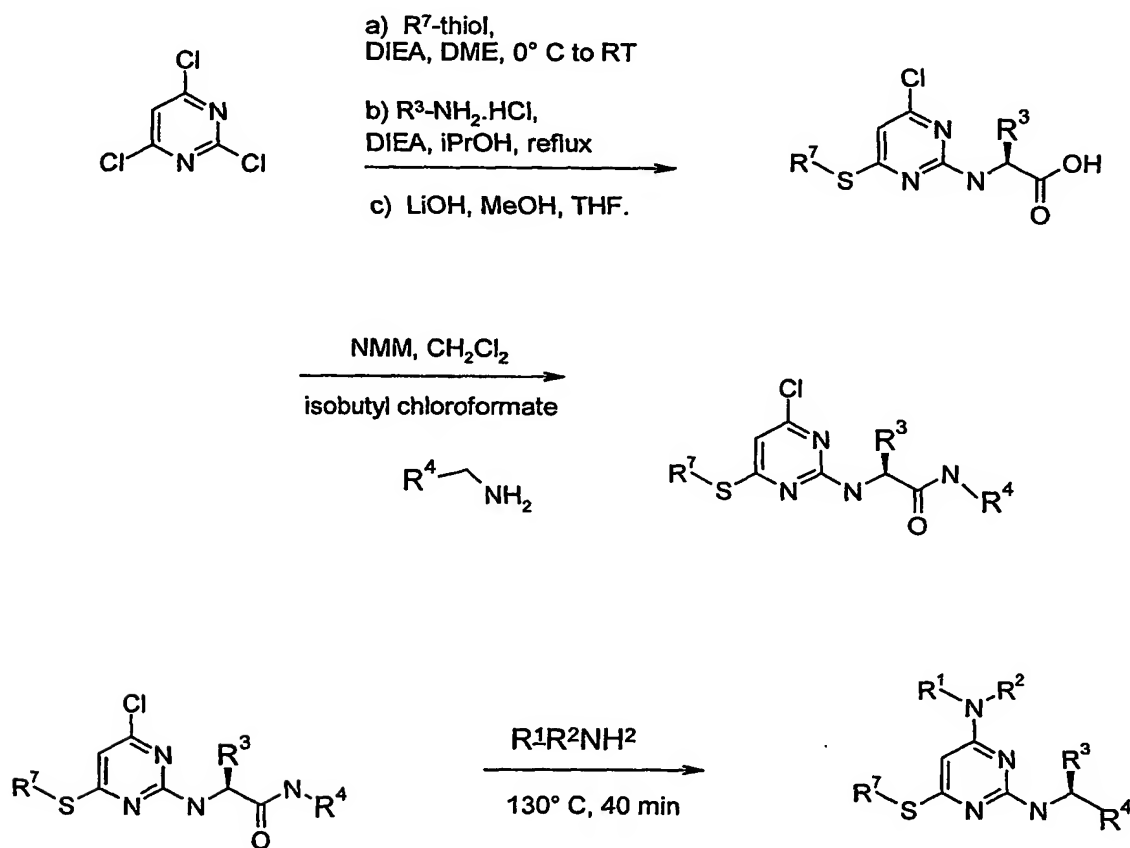
25 45. A method for inhibiting γ -secretase activity comprising administering to a warm-blooded animal in need of such inhibition a therapeutically effective amount of a compound according to any one of claims 1-40.

30 46. A method for the treatment or prophylaxis of Alzheimer's disease or Down's syndrome comprising administering to a warm-blooded animal in need of such treatment a therapeutically effective amount of a compound according to any one of claims 1-40.

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47. A pharmaceutical composition comprising a compound according to any one of claims 1-40, or a pharmaceutically acceptable salt or in vivo hydrolysable ester thereof, together with at least one pharmaceutically acceptable carrier, diluent or excipient.

5 48. A process for preparing a compound of formula (I) as recited in claim 1 or a pharmaceutically acceptable salt or in vivo hydrolysable ester thereof which process comprises:



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49. A process for preparing a compound of formula (II) as recited in claim 19 or a pharmaceutically acceptable salt or in vivo hydrolysable ester thereof which process comprises:

